UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ____ ELECTRIC LOGS ____ FILE X WATER SANDS ____ LOCATION INSPECTED OIL SUB. REPORT/abd. ____

DATE FILED 10-25-82

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-30096 INDIAN

DRILLING APPROVED: 11-2-82

SPUDDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION 5624 GR 1-22-84

DATE ABANDONED: ~~LA 2-2-84~~ well never drilled

FIELD: ~~UNDESIGNATED~~ MONUMENT BUTTE 3/86

UNIT:

COUNTY: DUCHESNE

WELL NO. FEDERAL N.G.C. #13-3-G API NO. 43-013-30700

LOCATION 2376 FT. FROM (N) (S) LINE. 1278 FT. FROM (E) (W) LINE. NW SW 1/4 — 1/4 SEC. 3

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				9S	16E	3	NATURAL GAS CORP.

BILL RYAN ADVISED HE WOULD SEND LEASE CONTROL (660') INFO AS PER TELECOM 10-26-82

Rec'd 11-1-82

NATURAL GAS CORPORATION OF CALIFORNIA

85 South 200 East
Vernal, Utah 84078

October 22, 1982

Mr. E. W. Guynn
Minerals Management Service
1745 West 1700 South, Suite 2000
Salt Lake City, UT 84104

Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, UT 84114

Re: NGC #13-3-G Federal
NW SW Section 3, T.9S., R.16E.
Duchesne County, Utah
Pleasant Valley

Gentlemen:

Natural Gas Corporation of California proposes to drill the subject well. Enclosed are the following documents:

1) Application for Permit to Drill
2) Surveyor's Plat
3) Ten Point Plan
3) 13 Point Surface Use Plan

Your early consideration and approval of this application would be appreciated. Should you have any questions, please contact this office.

Sincerely,

Rick Canterbury kh

Rick Canterbury
Associate Engineer

/kh

Encls.

cc: Operations
C. T. Clark
E. R. Henry

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MINERALS MANAGEMENT SERVICE
OIL & GAS OPERATIONS
RECEIVED
OCT 25 1982
SALT LAKE CITY, UTAH

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Federal

9. WELL NO.: NGC #13-3-G

10. FIELD AND POOL, OR WILDCAT: Pleasant Valley

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 3, T.9S., R.16E.

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Natural Gas Corporation of California

3. ADDRESS OF OPERATOR: 85 South 200 East, Vernal, UT 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 1278' FWL and 2376' FSL ($NW\frac{1}{4}$ $SW\frac{1}{4}$) of Section 3, T.9S., R.16E.
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 9 miles southwest of Myton, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 1278'

16. NO. OF ACRES IN LEASE: 1360

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.:

19. PROPOSED DEPTH: 6500'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5624' Ground

22. APPROX. DATE WORK WILL START*: Dec. 1, 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#, K-55	300	To surface
7-7/8"	5-1/2"	17#, N-80	T.D.	As required to protect the oil shale and producing formations.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Rick Canterbury — TITLE Associate Engineer — DATE October 22, 1982
Rick Canterbury
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE E. W. Guynn, District Oil & Gas Supervisor — DATE NOV 10 1982

CONDITIONS OF APPROVAL, IF ANY:

cc: MMS; Div. OG&M; Operations; CTClark; ERHenry

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

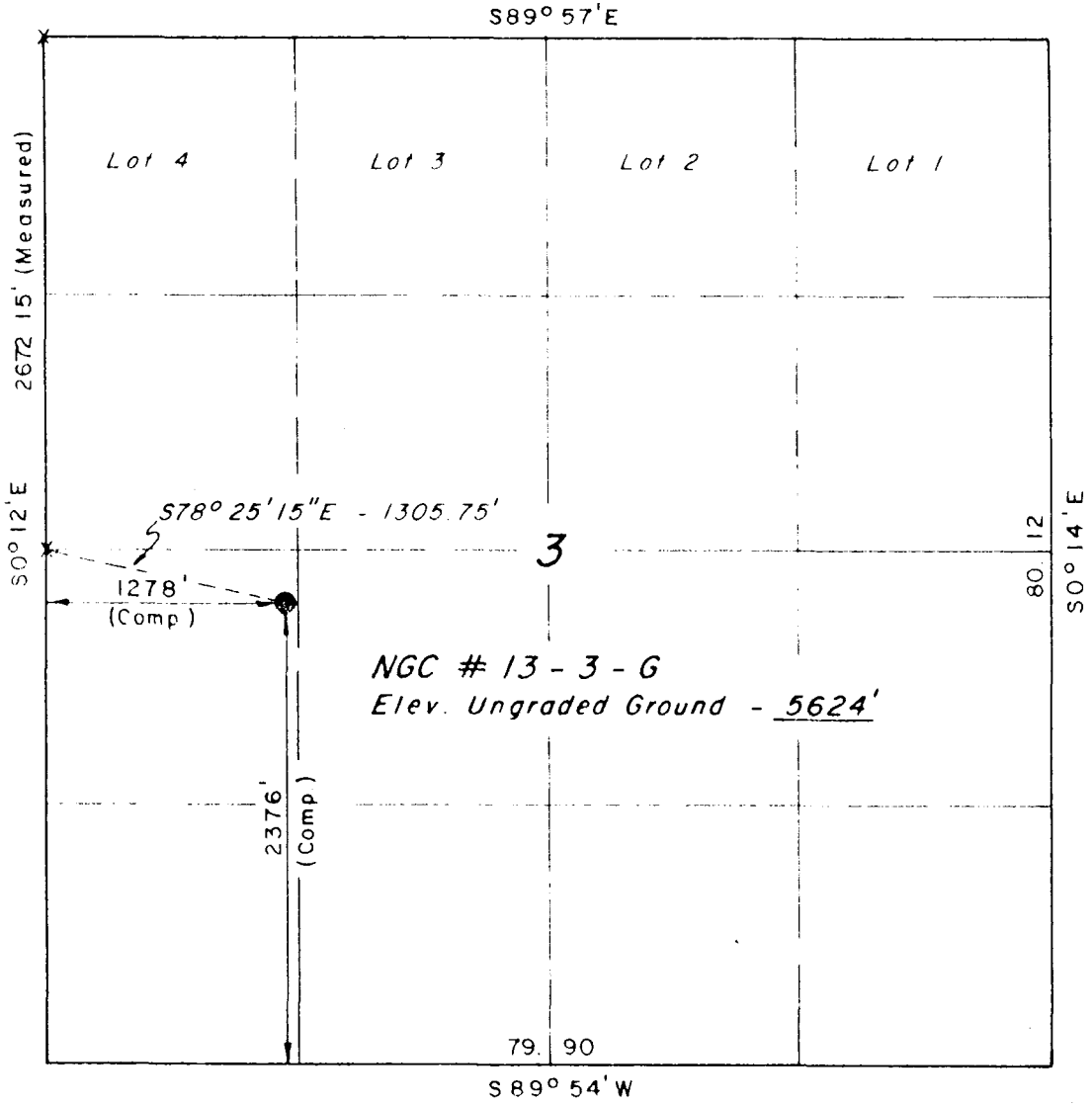
FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

State O&G

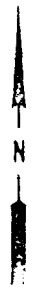
T 9 S , R16E , S.L.B.&M.

NATURAL GAS CORP OF CALIFORNIA

Well location, *NGC #13-3-G*, located as shown in the NW 1/4 SW 1/4 Section 3, T9S, R16E, S.L.B.&M. Duchesne County, Utah.



X = Section Corners Located



REGISTERED LAND SURVEYOR
REGISTRATION NO. 3137
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q ~ 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	9/23/82
PARTY	RK JF RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	NATURAL GAS

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

12

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL
OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR
Natural Gas Corporation of California

3. ADDRESS OF OPERATOR
85 South 200 East, Vernal, UT 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
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U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
NGC #13-3-G

10. FIELD AND POOL, OR WILDCAT
~~Pleasant Valley~~ Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 3, T.9S., R.16E.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 9 miles southwest of Myton, Utah

12. COUNTY OR PARISH: Duchesne
13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 1278'

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19. PROPOSED DEPTH: 6500' Wasatch

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5624' Ground

22. APPROX. DATE WORK WILL START*
Dec. 1, 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#, K-55	300	To surface
7-7/8"	5-1/2"	17#, N-80	T.D.	As required to protect the oil shale and producing formations.

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 11-2-82
BY: [signature]

RECEIVED
OCT 25 1982
DIVISION OF OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
SIGNED Rick Canterbury ~~Rick Canterbury~~ TITLE Associate Engineer DATE October 22, 1982

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

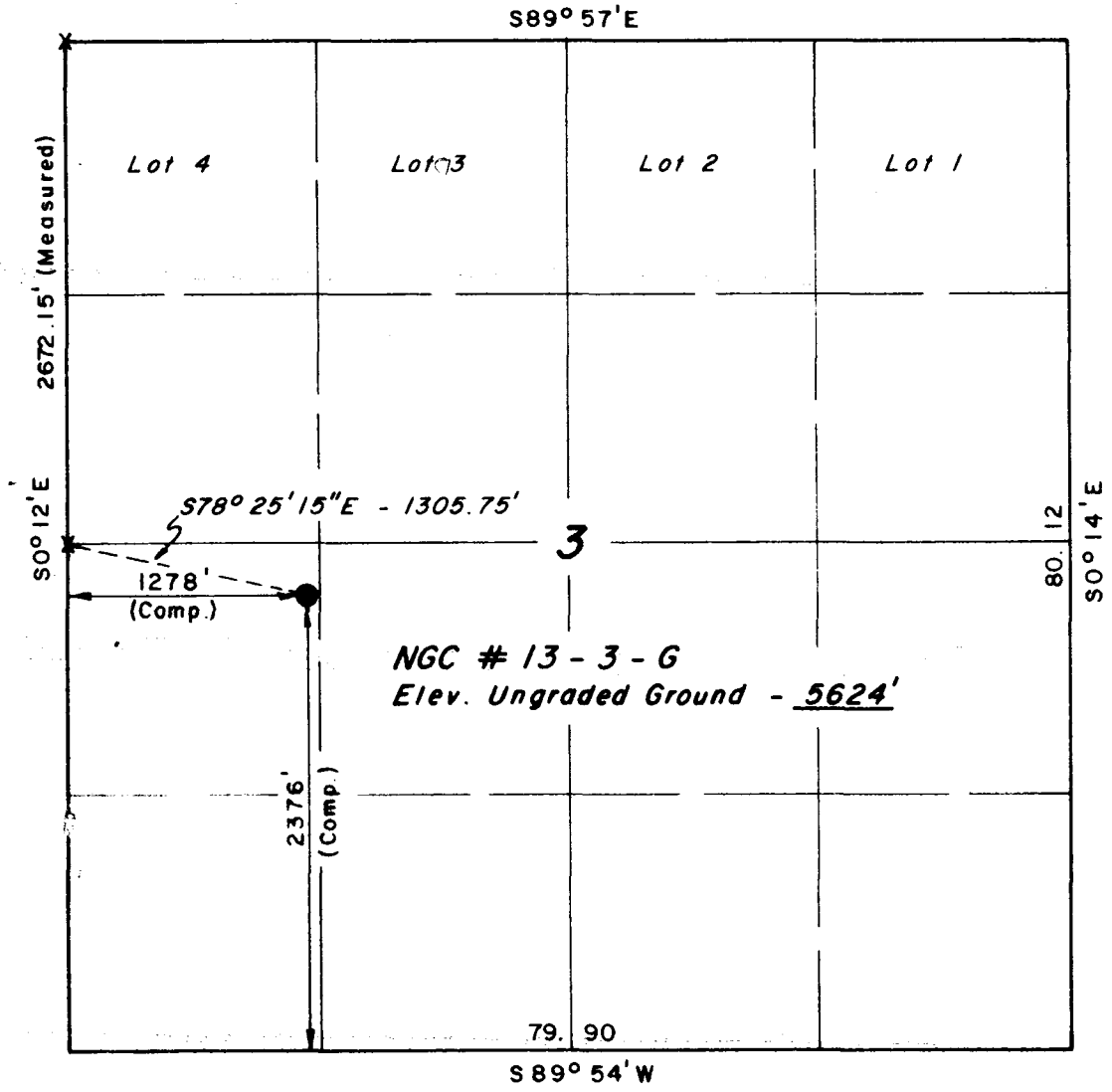
cc: MMS; Div. OG&M; Operations; CTClark; ERHenry

T 9 S , R16E , S.L.B.&M.

PROJECT

NATURAL GAS CORP. OF CALIFORNIA

Well location, *NGC #13-3-G*, located as shown in the NW 1/4 SW 1/4 Section 3, T9S, R16E, S.L.B. & M. Duchesne County, Utah.



X = Section Corners Located

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION Nº 3137
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q ~ 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

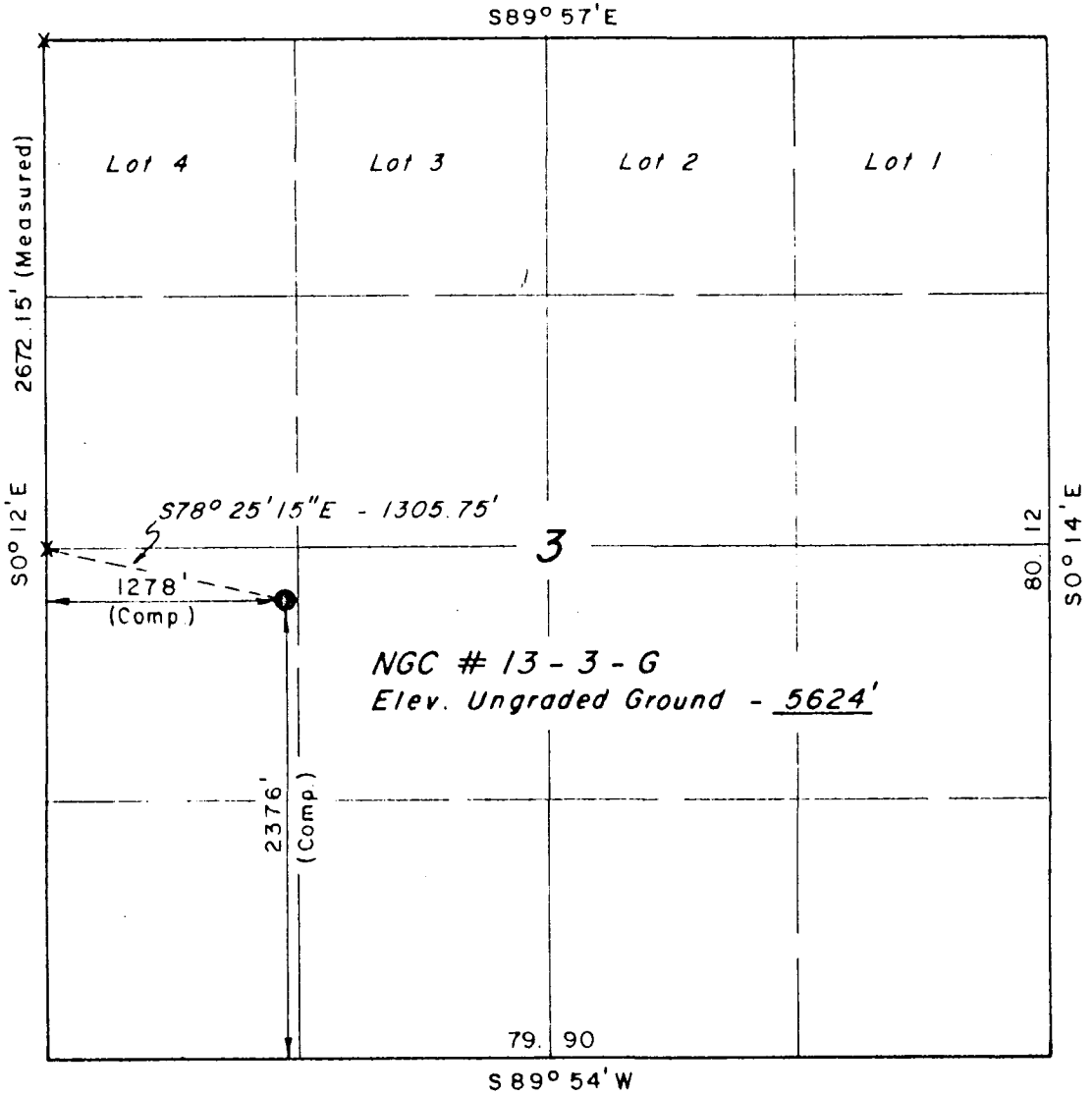
SCALE 1" = 1000'	DATE 9/23/82
PARTY RK JF - RP	REFERENCES GLO Plat
WEATHER Fair	FILE NATURAL GAS

T 9 S , R16E , S.L.B.&M.

PROJECT

NATURAL GAS CORP. OF CALIFORNIA

Well location, NGC #13-3-G, located as shown in the NW 1/4 SW 1/4 Section 3, T9S, R16E, S.L.B.&M. Duchesne County, Utah.



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REGISTERED LAND SURVEYOR
REGISTRATION NO 3137
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q — 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 9/23/82
PARTY RK JF - RP	REFERENCES GLO Plat
WEATHER Fair	FILE NATURAL GAS

NATURAL GAS CORPORATION OF CALIFORNIA

85 South 200 East
Vernal, Utah 84078

October 21, 1982

Division of Oil, Gas & Mining
State of Utah
4241 State Office Building
Salt Lake City, UT 84114

Attn: Norm Stout

Re: Request for Exception to Rule C-3
Pleasant Valley Well #13-3-G
NW¼ SW¼ Section 3, T.9S., R.16E.
Lease #U-30096
Duchesne County, Utah

Dear Mr. Stout:

Natural Gas Corporation of California, as operator on Federal Lease U-30096, requests permission to locate a well 1278' from the east line and 2376' from the south line of Section 3, T.9S., R.16E. This location is requested due to topography and in order to reduce surface disturbance. Please see attached map.

If you should need additional information, please contact Bill Ryan or myself at 801-789-4573.

Sincerely,

Rick Canterbury /kh

Rick Canterbury
Associate Engineer

RC/kh

Attachment

cc: Operations

RECEIVED
OCT 25 1982
DIVISION OF
OIL, GAS & MINING

HIGHWAY 216
3.8 MILES
MYTON, UTAH
8.5 MILES.

T8S

T9S

Draw

EXISTING LOCATION

PROPOSED ACCESS ROAD - 0.6 MILES

PROPOSED LOCATION
NGC #13-3-G

R 16 E

R 16 E

NATURAL GAS CORP.
OF CALIF.
NGC #13-3-G
PROPOSED LOCATION

TOPO. MAP "B"

SCALE - 1" = 2000'

• ROAD CLASSIFICATION

Light-duty ..... Unimproved dirt .....

UTAH

QUADRANGLE LOCATION

WELLINGTON 61 MI.

12 MI. TO UTAH 53

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1966

574000m.E. 110°07'30" 2 390 000 FEET

Mapped, edited, and published by the Geological Survey

Ten Point Plan
Natural Gas Corporation of California
NGC Well #13-3-G
NW¼ SW¼ Section 3, T.9S., R.16E.

1. Surface Formation: Uintah

2. Estimated Formation Tops and Datum:

Formation	Depth	Datum
Uintah	Surface	5638' KB
Green River	1642'	3996'
Oil Shale Facies	2275'	3363'
Delta Facies	3340'	2298'
Green Shale Marker	4389'	1249'
Black Shale Facies	5599'	39'
Green River Lime	6079'	- 441'
Wasatch	6289'	- 651'
T.D.	6500'	- 862'

3. Producing Formation Depth:
Formation objectives include the Green River and the Wasatch.

4. Proposed Casing Program:

Hole Size	Casing Size	Weight/Ft.	Setting Depth	Casing New/Used
12-1/4"	9-5/8"	36#	300	New
7-7/8"	5-1/2"	17#	T.D.	New

5. BOP and Pressure Containment Data: A 3000 psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 9-5/8" surface casing. BOP system including the casing will be pressure tested to a minimum of 3000 psi for 30 mins. prior to drilling and will be mechanically checked daily during drilling operations.

6. Mud Program:

Interval	Mud Weight lbs./gal.	Viscosity Sec./Qt.	Fluid Loss ML/30 mins.	Mud Type
0-6000'	Clear Water	-------	No Control	Water/Gel
6000'-TD	8.8	40	10cc/Less	L.S.N.D.

7. Auxiliary Equipment: Upper Kelly cock, full opening stabbing valve, 2½" choke manifold and pit level indicator.

8. Testing, Coring, Sampling and Logging:

   a) Testing: None are anticipated.

   b) Coring: There is the possibility of sidewall coring.

   c) Sampling: None (unless specified).

   d) Logging:

Type	Interval
DIL w/GR and SP FDC/CNL w/GR and CAL F Log Overlay Prox-Micro Log w/GR and CAL	Logged interval to be selected by the wellsite geologist.

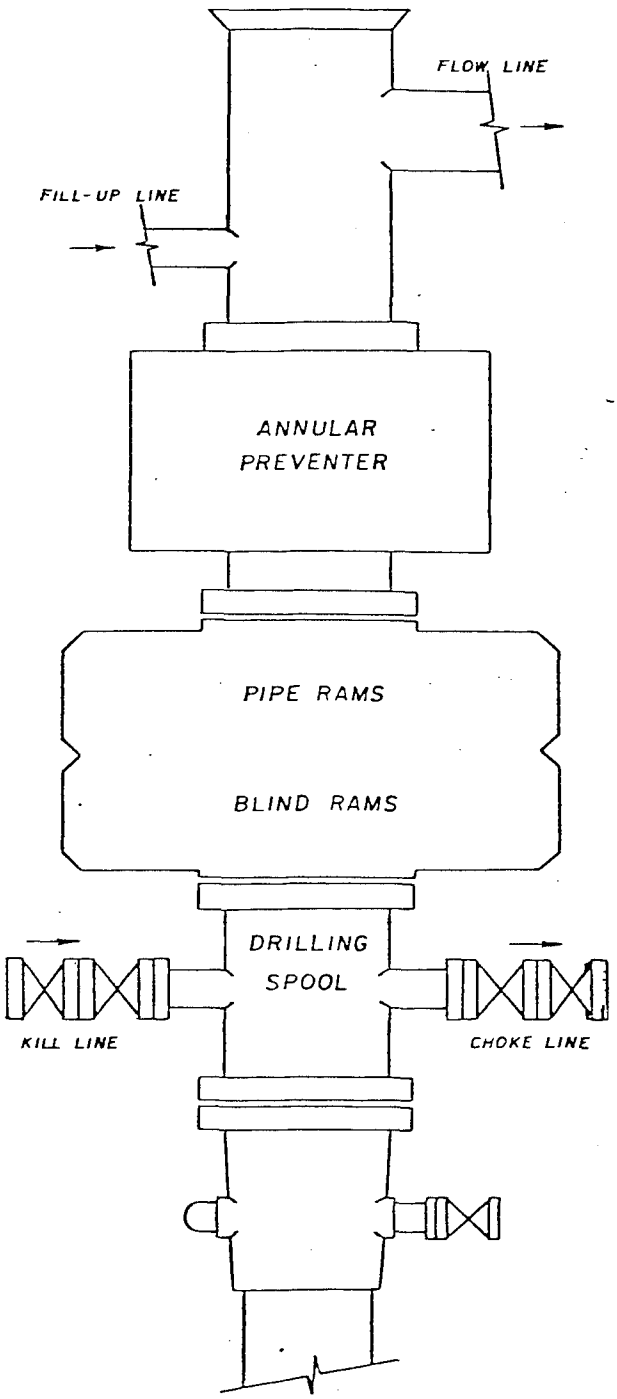
9. Abnormalities (including sour gas): No abnormal pressures, temperatures or other hazards are anticipated. Oil and gas shows may be anticipated in the Green River and Wasatch Formations.

10. Drilling Schedule: The anticipated starting date is Dec. 1, 1982 and duration of operations is expected to be around 15 days.

NATURAL GAS CORPORATION
OF
CALIFORNIA

BOP AND PRESSURE CONTAINMENT DATA

NGC #13-3-G Federal
NW SW Section 3, T.9S., R.16E.
Duchesne County, Utah



1. BOP equip shall consist of a double gate, hydraulically operated preventer with pipe & blind rams or two single ram type preventers, one equipped w/pipe rams, the other w/blind rams.

2. BOP's are to be well braced w/ hand controls extended clear of substructure.

3. Accumulator to provide closing pressure in excess of that required w/sufficient volume to operate all components.

4. Auxiliary equipment: Lower kelly cock, full opening stabbing valve, 2½" choke manifold, pit level indicator &/or flow sensors w/alarms.

5. All BOP equipment, auxiliary equipment stand pipe & valves & rotary hose to be tested to the rate pressure of the BOP's at time of installation & every 30 days thereafter. BOP's to be mechanically checked daily.

6. Modification of hook-up or testing procedure must be approved in writing on tour reports by wellsite representative.

Natural Gas Corporation of California

13 Point Surface Use Plan

for

NGC #13-3-G Federal

NW SW Section 3, T.9S., R.16E.

Duchesne County, Utah

1. EXISTING ROADS

See attached topographic map A .

To reach NGC Well #13-3-G, proceed west from Myton, Utah along U.S. Highway 40 for 1.5 miles to its junction with Highway 53. Proceed south on Highway 53 for 2 miles to its junction with County Road #216. Follow County Road #216 for 4 miles and then take the road to the right. Follow this road for 2.8 miles and take a left turn and follow this road for 1.4 miles. Take a right turn and follow this road for 1.4 miles and then go left for .5 mile. At this point the new road will start.

2. PLANNED ACCESS ROAD

See attached topographic map B .

The proposed road will be .6 mile long. All road use from County Road #216 to the boundary of NGC Lease #30096 is under right-of-way #U-50487.

The access road will be constructed to the following standards:

1) Width - The running surface will be 18 feet and the total disturbance width including the ditches will not exceed 30 feet.
2) Maximum grade - 3%.
3) Turnouts - None.
4) Drainage designs - Ditches will be constructed on each side of the road, V-shaped, 1 foot deep at 3:1 slopes.
5) Location and size of culverts, major cuts and fills - No culverts will be installed and no major cuts or fills will be required.
6) Surfacing materials - None.
7) Gates, cattleguards, or fence cuts - None.
8) The proposed road has been flagged.

3. LOCATION OF EXISTING WELLS

The following wells are located within a 1 mile radius of the location site.

1) Water Wells - None.
2) Abandoned Wells - None.
3) Temporarily Abandoned Wells - None.

4) Disposal Wells - None.

5) Drilling Wells - None.

6) Producing Wells - NGC Well #42-4, Section 4, T.9S., R.16E.

7) Shut-in Wells - None.

8) Injection Wells - None.

9) Monitoring or observation wells for other resources - None.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. (1) Tank batteries - A tank battery will be located on the location.
(2) Production facilities - none.
(3) Oil gathering lines - No lines will be required as the oil will be trucked.
(4) Gas gathering lines - none.

B. (1) In the event production is established, all petroleum production facilities are to be contained within the proposed location site. In the event that production of oil from this well is established, a berm will be constructed around the tank battery large enough to contain the contents of tanks.

(2) Construction methods and materials - Production facilities will be placed on the proposed pad. Construction materials will come from the unused portion of the pad.

(3) Livestock and wildlife protection - The evaporation pond will be fenced on all four sides and overhead wire with flagging installed, if there is oil in the pit.

C. The rehabilitation of disturbed areas no longer required for the production of this well will be completed by backfilling, recontouring, topsoiling and seeding.

5. LOCATION AND TYPE OF WATER SUPPLY

See attached topographic map A .

Water will be obtained from the Upper Pleasant Valley Canal in Section 33, T.4S., R.2W. Water will be hauled over existing roads. An agreement has been made with Clark Roberts and is attached.

6. SOURCE OF CONSTRUCTION METHODS

All construction materials for this location site and access road will be borrow materials, accumulated during construction of the location site. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHODS FOR HANDLING WASTE DISPOSAL

1) Cutting, drilling fluids and produced fluids - A reserve pit will be constructed. The reserve pit will be approximately 10' deep and at least one-half of this depth shall be below the surface of the existing ground.

One-half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one-half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals, produced fluids, etc.

Prior to the onset of drilling, a "stock-tight" fence shall be installed on three sides of the reserve pit. This fence will be woven wire at least 36 inches high and within 4 inches of ground surface with one strand of barbed wire above the woven wire. At the completion of drilling operations, the fourth side of the reserve pit will be fenced and allowed to dry completely before the pit is backfilled. If there is oil on the pits, overhead wire and flagging will be installed on the pits.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pit will be lined with a gel.

2) Sewage - A portable chemical toilet will be supplied for human waste.

3) Garbage - Trash cages will be on all locations and all trash will be removed to an authorized landfill. There will be no trash burning on the location.

4) Site Clean-up - Immediately after the rig is moved out, the area around the well site will be cleaned and all refuse placed in the trash cage and hauled to a local authorized sanitary landfill.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See typical rig layout.

10. PLANS FOR RESTORATION OF THE SURFACE

Prior to construction of the location, the top 6 inches of soil material will be stripped and stockpiled. This will amount to approximately 1500 cubic yards of material that will be stockpiled. Topsoil will be stockpiled on the southwest end of the location.

If the well is producing, the platform and pit areas no longer required for the production of the well will be backfilled, recontoured, topsoiled and seeded.

If the well is abandoned, the entire disturbed area (including roads) will be restored by: (1) backfilling; (2) recontouring; (3) topsoiling; (4) seeding. Specifically: the platform highwall(s) and road fill(s) will be eliminated by moving all excavated material back in place. Restoration of the location and access road will begin within 90 days after completion of the well. The BLM representative will be notified prior to starting the rehabilitation operations.

The following seed mixture and methods for seeding will be used:

The seed mixture will be determined by the Bureau of Land Management at the time of abandonment.

Seed will be planted after September 1 and prior to ground frost; or seed will be planted after the frost has left and before May 15. All seed will be drilled on the contour at a depth of ¼ to ½ inch. Slopes too steep or rocky for machinery will be broadcast and the seed hand raked into the soil. When broadcasting the seed, the rate per acre will be doubled.

The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

1) The Vernal District BLM will be contacted by the Operator or dirt contractor forty eight hours prior to beginning any work on public land.

2) The dirt contractor will be furnished a copy of the approved APD and Surface Use Plan prior to beginning any work on public land.

3) All permanent (on-site for six (6) months duration or longer) structures constructed or installed, including the pumpjack, shall be painted a flat, non-reflective, earthtone color to match Tnemec 23-08351 Mesa Brown Enduratone or an approved equal. All facilities shall be painted within 6 months of when the production facilities are put in place. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) are excluded.

4) Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes shall be in accordance with the surface use standards as set forth in the booklet, "Surface Operating Standarts for Oil and Gas Exploration and Development."

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Natural Gas Corporation of California
85 South 200 East
Vernal, UT 84078
Attn: Bill Ryan or Rick Canterbury

Telephone: (801) 789-4573

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge and belief, true and correct; and that the work associated with the operations proposed herein will be performed by Natural Gas Corporation of California and its contractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

October 22, 1982
Date

Rick Canterbury
Rick Canterbury, Associate Engineer

NATURAL GAS CORPORATION OF CALIFORNIA

85 South 200 East
Vernal, Utah 84078

October 6, 1982

Mr. Clark Roberts
P.O. Box 156
Myton, UT 84052

Natural Gas Corporation of CA
Proposed Well #13-3-G Federal
Section 3, T.9S., R.16E.

Dear Mr. Roberts:

The purpose of this letter is to make an additional agreement with you for a water supply for drilling operations on the above referenced well.

In consideration for you providing this water, Natural Gas Corporation of California will compensate you $1200 per well, payable two weeks prior to the spudding of the well. If you are in agreement with this, please indicate your approval by signing below.

Sincerely,

William A Ryan

William A. Ryan
Petroleum Engineer
Natural Gas Corporation of CA

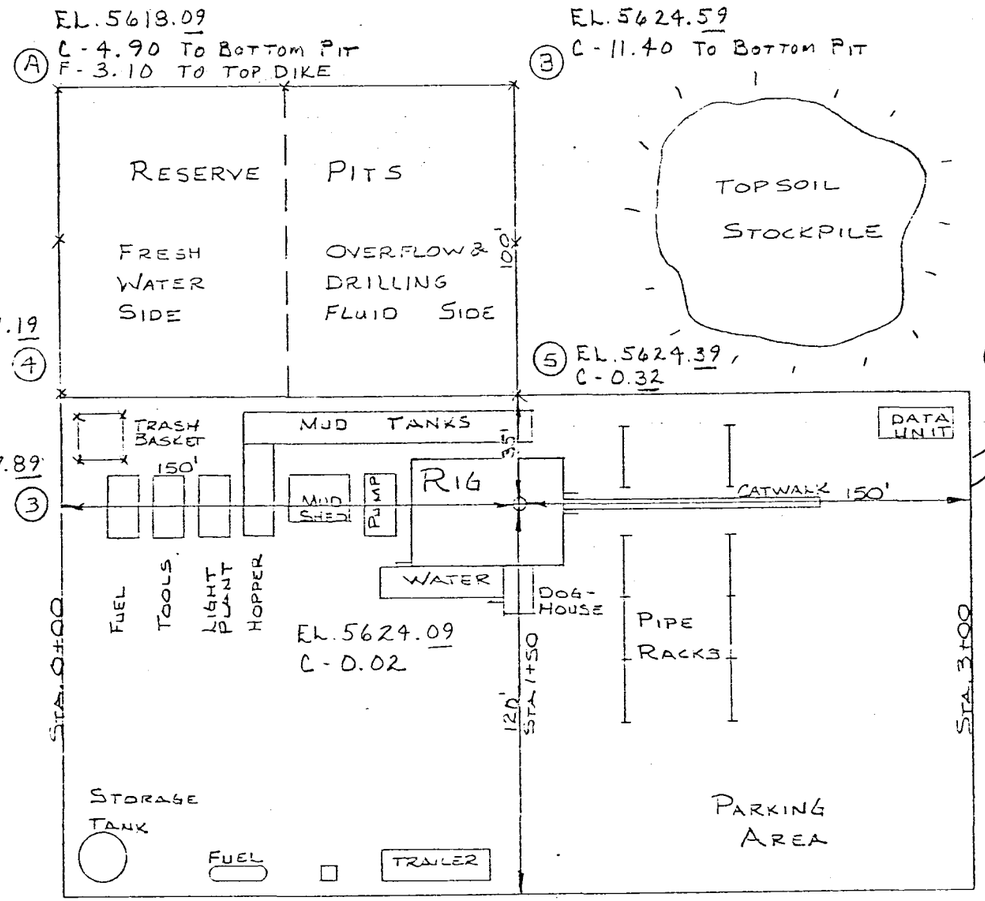
Owner: Clark Roberts Date: _____

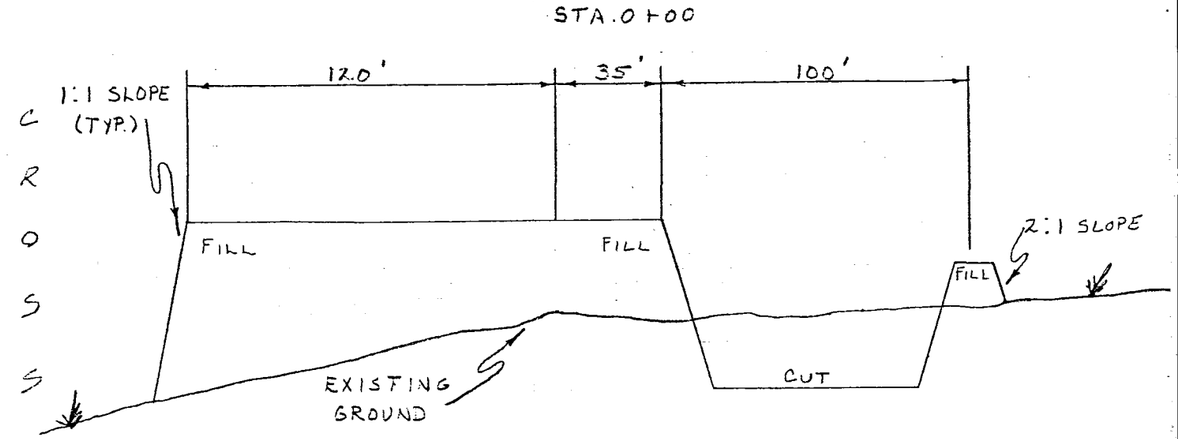
WAR/sr

NATURAL GAS CORP. OF CALIFORNIA

NGC # 13 - 3 - G

SCALE 1" = 50'





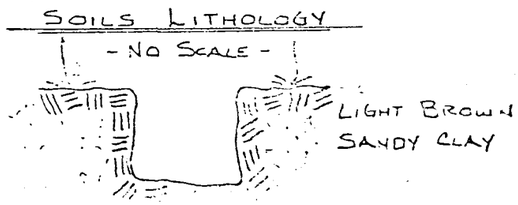
SCALES

1" = 10'

1" = 50'

SOILS LITHOLOGY

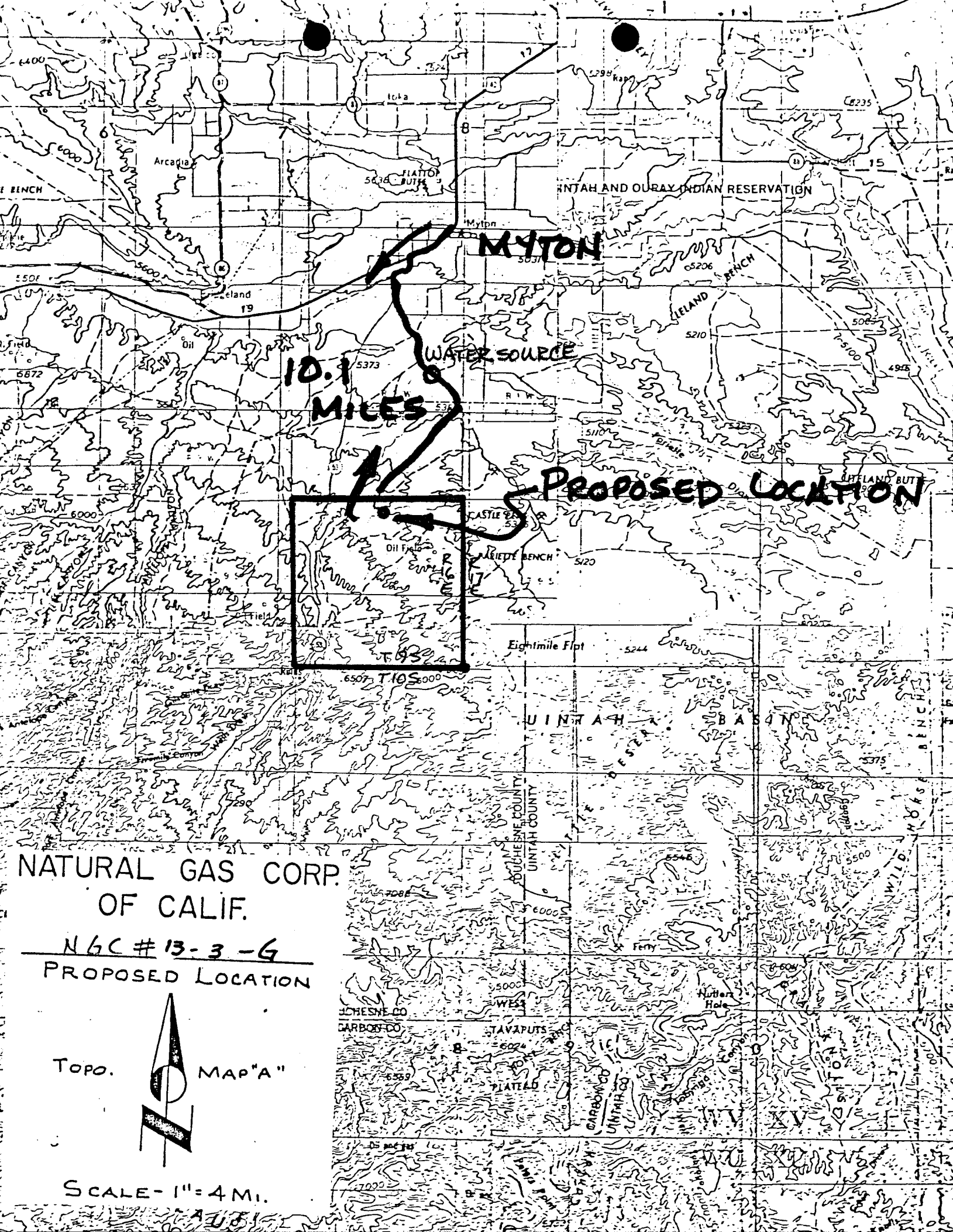
- NO SCALE -



APPROXIMATE YARDAGES

CUBIC YDS. CUT - 10463

CUBIC YDS. FILL - 3996


MYTON
10.1 MILES
WATER SOURCE
PROPOSED LOCATION
NATURAL GAS CORP. OF CALIF.
NGC #13-3-G
PROPOSED LOCATION
TOPO. MAP "A"
SCALE - 1" = 4 MI.
UINTAH AND OURAY INDIAN RESERVATION
Myton
Arcadia
Ioka
Oil Field
Eightmile Flat
Ferry
Hutlers Hole
Tavaputs
Plateau
DUCHESNE COUNTY
UINTAH COUNTY
CARBON CO
T10S
R16E
R17E
UINTAH BASIN

HIGHWAY 216
3.8 MILES
MYTON, UTAH
8.5 MILES.

T8S
T9S

R 16 E

R 16 E

EXISTING LOCATION

PROPOSED ACCESS ROAD - 0.6 MILES

PROPOSED LOCATION
NGC #13-3-G

NATURAL GAS CORP.
OF CALIF.
NGC #13-3-G
PROPOSED LOCATION

TOPO. MAP "B"

SCALE - 1" = 2000'

ROAD CLASSIFICATION

Light duty ——— Unimproved dirt - - - - -

UTAH

QUADRANGLE LOCATION

WELLINGTON 61 MI.

12 MI. TO UTAH 53

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1966

574000m.E. 110°07'30" 2 390 000 FEET

Mapped, edited, and published by the Geological Survey

Natural Gas Corporation of California
Well No. 13-3-G
Section 3, T.9S., R.16E.
Duchesne County, Utah
Lease U-30096

Supplemental Stipulations

1) Seeding for rehabilitation should only be done in the fall of the year between September 1 and when the ground becomes frozen. No spring seeding should be done.

2) Adequate and sufficient electric/radioactive logs will be run to locate and identify the prime oil shale horizons and saline minerals in the Mahogany Zone of the Green River formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the oil shale or saline minerals resource. Surface casing program may require adjustment for protection of fresh water aquifers. (See attached tentative casing and cementing program for the Uinta Basin.)

3) The location will be rotated 90 degrees to place pits on the East side of the pad. Portions of the pad will be narrowed to 145 feet in width. Upon rotation, corner 8 will be roundoff.

United States Department of the Interior
GEOLOGICAL SURVEY
Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

February 2, 1981

General Outline for the Protection and Isolation of Ground Water and Oil Shale in the Uinta Basin.

The oil shale occurs with varying thicknesses in most parts of the Uinta Basin and at varying depths. Ground water also occurs at varied depths above and below the Oil Shale. These ground waters have varying degrees of salinity. Nonetheless, drilling for hydrocarbon in the Uinta Basin should provide for the protection of the oil shale and the ground water if either is present.

The protection of the oil shale and the ground water can effectively be carried on through the design of an adequate casing and cementing program for each well drilled in the area.

In the Uinta Basin, water occurs mainly in the Uinta and the Green River formations. As drilling for hydrocarbon gets deeper into the crust of the earth, more ground water might be encountered and will be protected as it is encountered.

This notice's purpose is to attempt to lay the groundwork for a casing program and cementing program that will protect the oil shale and the ground water if present.

These programs are to be considered as guidelines. The specificity of casing depth, amount of cement and the depth of staging collars will be considered on an individual basis after a careful study of the logs of each individual well. Cementing from the bottom up is an economical solution if carefully conducted.

The casing and cementing program presented here as an example, will assume that fresh water was encountered in the upper parts of the Green River, that the oil shale occurs in the middle of the Green River (1000 foot section) and that some ground water is encountered in the lower parts of the Green River.

In this case, three areas will have to be cemented to assure the integrity of the ground water and oil shale. These areas are above the upper fresh water, across the oil shale and below the lower water aquifer. Deep aquifers that do not contain useful water are cemented to prevent water zone influence on production.

The following casing and cementing program will be appropriate for this example:

A. Surface casing is set at approximately 300 feet and cemented to the surface.

B. The next casing string will be set at approximately 300 feet below the lowest aquifer. Cementing will be done in three stages, using two stage collars and cement baskets or equivalent as described below and on attached sketches:

1. Cement first stage through the casing shoe to fill annulus back to base of lower aquifer.

2. Place 1st stage collar (with cement basket immediately below) at a selected point at the base of the oil shale. Cement will have to reach top of oil shale.

3. Place 2nd stage collar (with cement basket immediately below) 50 feet above the top of the Bird's Nest aquifer and cement to at least 300 feet above the stage collar.

C. The above is an example. Reasonable equivalents that accomplish these same protective measures, (such as cementing the water zones instead of isolating them), depending on the individual cases will be considered for approval.

D. When the above mentioned well is to be abandoned, inner-casing plugs will have to be placed at the same depth as the above mentioned annulus cement jobs.

The use of cement bond logs will verify the authenticity of the cement job performed.

E. The Operator of such well should notify U.S.G.S. 48 hours prior to commencement of casing and cementing activity, so a technician could be dispatched to witness the operations to verify compliance with casing and cementing program.

Attached Sketches:

1. Schematic of the required casing and cementing program.

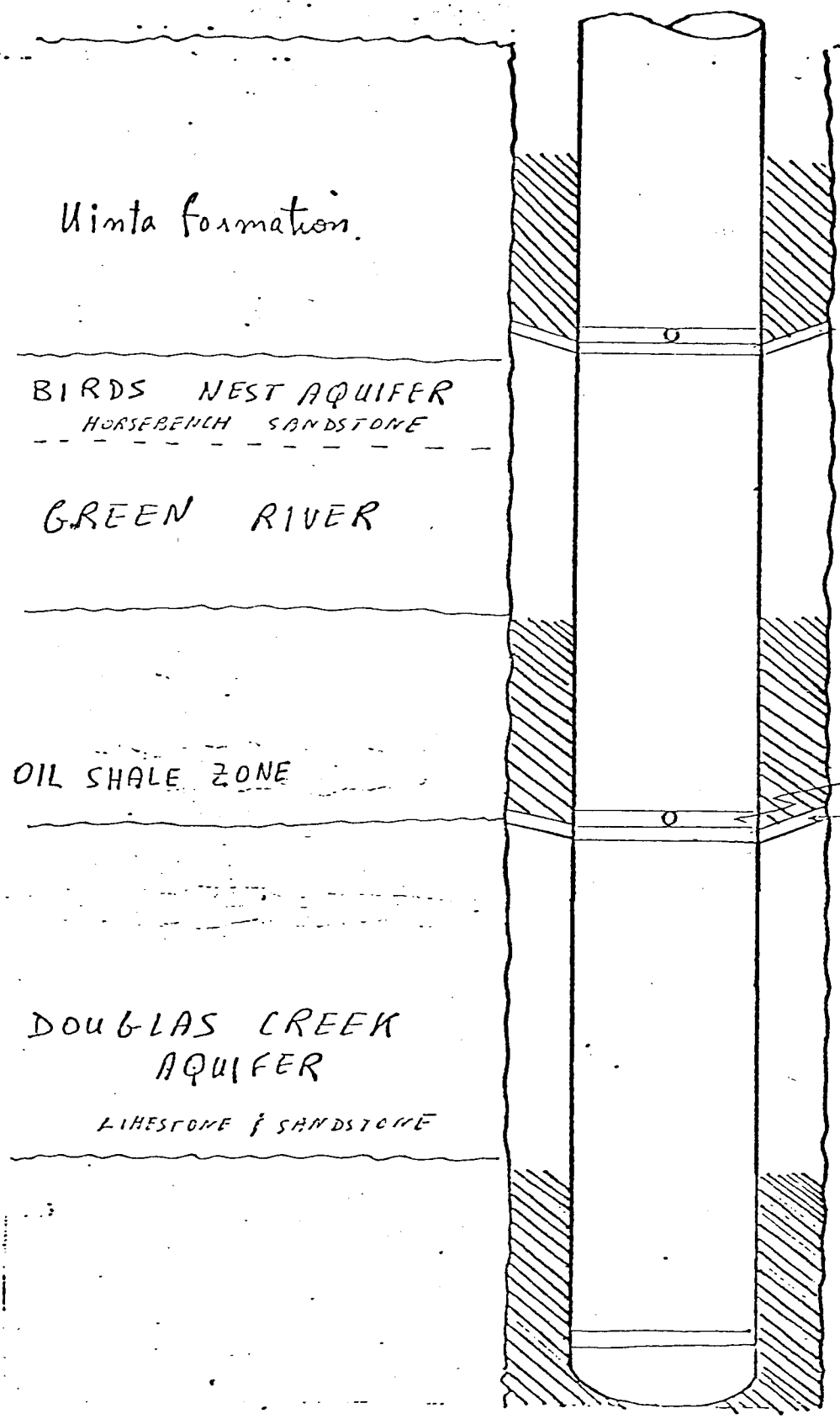
2. Cross section of the Uinta Basin.

3. Schematic of the general ground water protection program.

E. W. Guynn
District Oil and Gas Supervisor

AMR/kr

PARTIAL CASING & CEMENTING PROGRAM FOR WELLS
NATURAL BUTTES FIELD. UINTAH COUNTY, UTAH



NO SCALE

CEMENT BASKET IS PLACE
50' ABOVE TOP AQUI. R.
CEMENT TO RISE A
LEAST 300' IN ANNULUS

STAGE COLLAR
CEMENT BASKET

CEMENT BASKET IS SET A
CONSOLIDATED SECTION AT THE
BASE OF THE OIL SHALE ZONE.
CEMENT TO REACH THE TOP
OF THE MAHOGANY ZONE

CEMENT WILL REACH BASE
OF LOWER AQUIFER

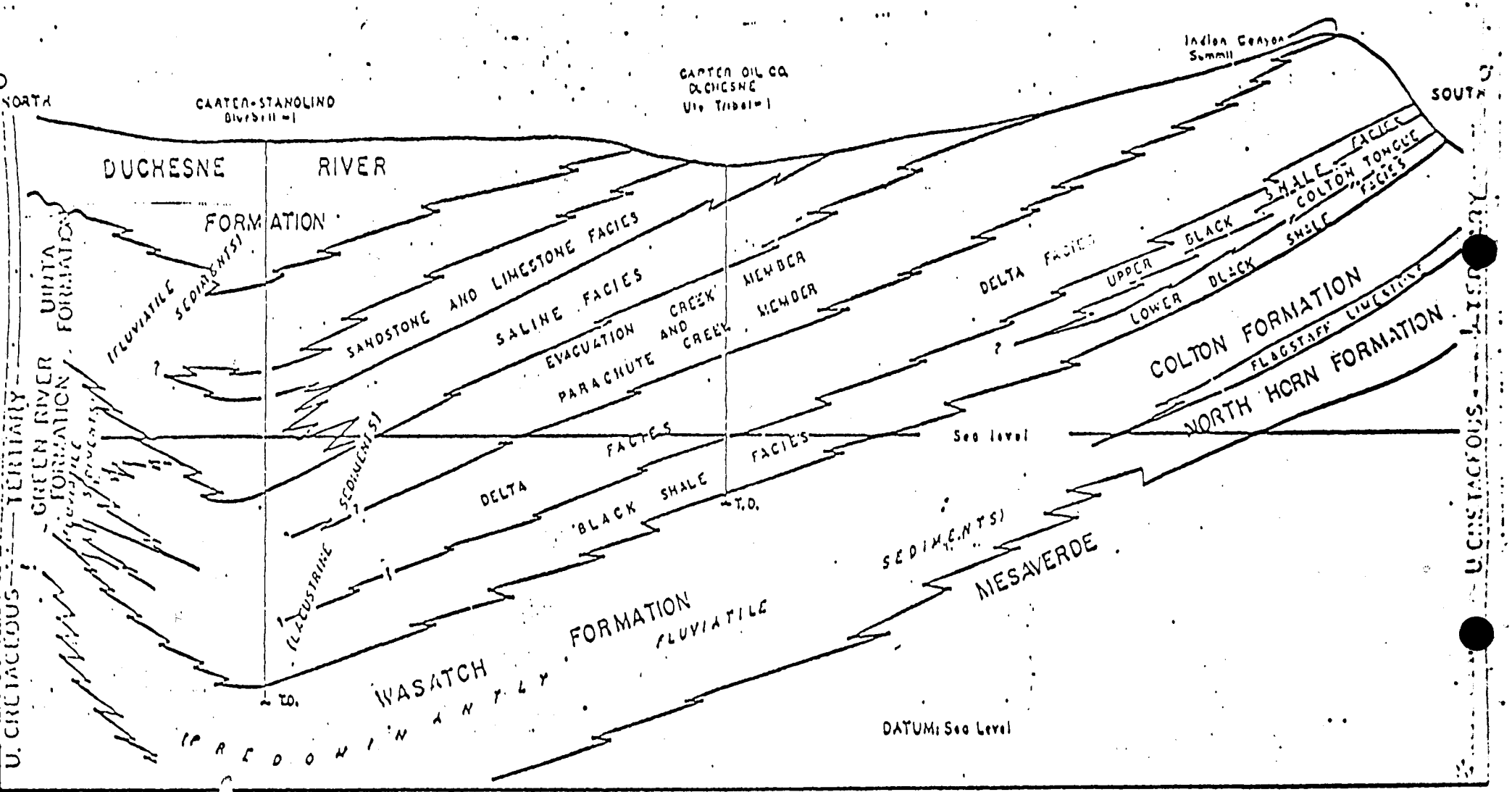


Figure 5.- View east of cross section of Uinta Basin showing stratigraphy and intertonguing of Tertiary rocks. Ute Tribal-1 (in section) is located about 8 miles southeast of the application area.

OPERATOR Natural Gas Corp. of Calif DATE 10-25-82

WELL NAME NGC #13-3-G Fed.

SEC NW SW 3 T 9S R 16E COUNTY Duchesne

43-013-30700	Fed.
API NUMBER	TYPE OF LEASE

POSTING CHECK OFF:

☐	INDEX	☒	HL	☐	
☐	NID	☒	PI	☐	
☐	MAP	☒		☐	

PROCESSING COMMENTS: No nearby wells - need 660' lease radius in support of exception location

RJF ✓

APPROVAL LETTER:

SPACING: ☐ A-3 _____ UNIT ☐ c-3-a _____ CAUSE NO. & DATE

☐ c-3-b ☒ c-3-c

SPECIAL LANGUAGE:

- [✓] RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.
- [✓] AUTHENTICATE LEASE AND OPERATOR INFORMATION
- [✓] VERIFY ADEQUATE AND PROPER BONDING
- [✓] AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.
- [ ] APPLY SPACING CONSIDERATION

  Need 660' radius info

  - [ ] ORDER NO
  - [ ] UNIT NO
  - [ ] c-3-b
  - [X] c-3-c

- [✓] OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

NATURAL GAS CORPORATION OF CALIFORNIA

85 South 200 East
Vernal, Utah 84078

October 27, 1982

Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, UT 84114

Attn: Norm Stout (Holding File)

Re: NGC #13-3-G Federal
NW SW Section 3, T.9S., R.16E.
Duchesne County, Utah
Lease Ownership

Dear Mr. Short:

In response to your call October 26, 1982, please find attached map showing lease ownership. Natural Gas Corporation of California owns Lease no. 30096 which covers all acreage wtihin 600' of Well #13-3-G in Section 3, T.9S., R.16E. of Duchesne County, ~~Utah~~.

lease boundary in excess of 660'

If you require additional information, please call myself or Rick Canterbury in our Vernal, Utah office, telephone 789-4573.

Yours truly,

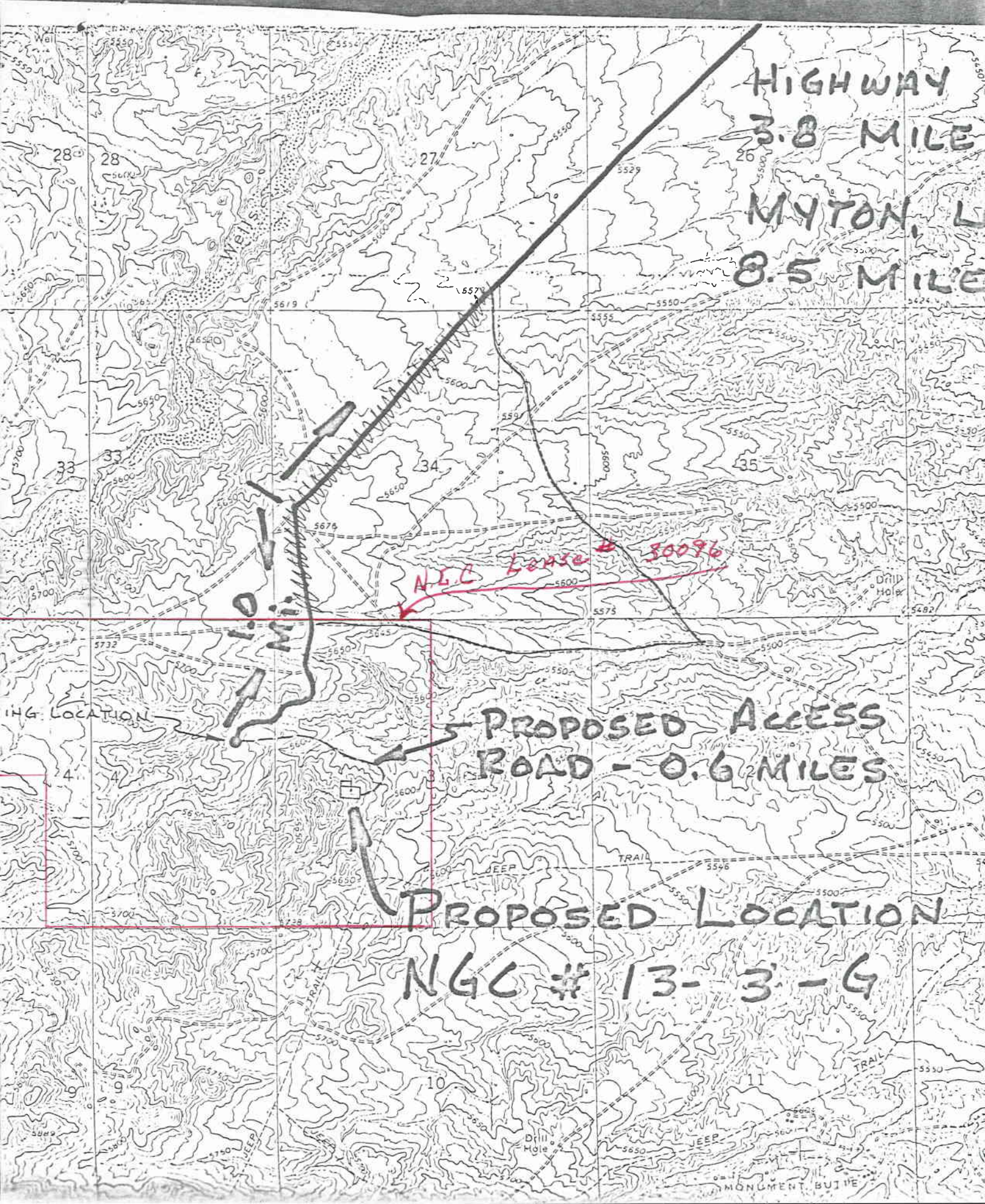
William A. Ryan

William A. Ryan
Petroleum Engineer

WAR/kh

Encls.

RECEIVED
NOV 01 1982
DIVISION OF
OIL, GAS & MINING


HIGHWAY
3.8 MILE
MYTON, L
8.5 MILE
N.L.C. Lease # 30096
1.0 Mi.
ING. LOCATION
PROPOSED ACCESS
ROAD - 0.6 MILES
PROPOSED LOCATION
NGC # 13-3-G
Drill Hole
TRAIL
JEEP
MONUMENT BUTTE

November 2, 1982

Natural Gas Corporation of California
85 South 200 East
Vernal, Utah 84078

RE: Well No. NGC #13-3-G
NWSW Sec. 3, T.9S, R.16E
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Engineer Office: 533-5771 Home: 571-6068	OR	CLEON B. FEIGHT - Director Office: 533-5771 Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-30700.

Sincerely,

Norman C. Stout
Administrative Assistant

NCS/as
cc: Minerals Management Service
Enclosure

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

December 22, 1983

Natural Gas Corporation of California
85 South 200 East
Vernal Utah 84078

RE: Well No. NGC #13-3-G
2376' FSL, 1278' FWL NW SW
Sec. 3, T. 9S, R. 16E.
Duchesne County, Utah

Gentlemen:

Due to excessive time delay in commencing drilling operations, approval to drill the subject well is hereby rescinded effective one calendar month from the date of this notice.

A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

Respectfully,

Norman C. Stout
Administrative Assistant

NCS/cj

3100
U-810

June 8, 1984

RECEIVED
JUN 11 1984
DIVISION OF OIL
GAS & MINING

Natural Gas Corporation
of California
85 South 200 East
Vernal, UT 84078

Re: Rescind Application for Permit to Drill
Well No. 13-3-G
Section 3, T9S, R16E
Duchesne County, Utah
Lease U-30096

Gentlemen:

The Application for Permit to Drill the referenced well was approved on November 10, 1982. Since that date, no known activity has transpired at the approved location. Under current District policy, applications for permit to drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at a future date, a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

Donald C. Alvord

Donald C. Alvord
Associate District Manager

cc: Well File
State O & G
SMA

BMitch.ma